

Title (en)

USE OF ERYTHROPOIETIN OR ERYTHROPOIETIN DERIVATIVES FOR THE TREATMENT OF CEREBRAL ISCHAEMIA

Title (de)

VERWENDUNG VON ERYTHROPOIETIN ODER ERYTHROPOIETIN-DERIVATEN ZUR BEHANDLUNG VON CEREBRALEN ISCHÄMIEN

Title (fr)

UTILISATION DE L'ERYTHROPOIETINE OU DE DERIVES DE L'ERYTHROPOIETINE POUR TRAITER LES ISCHEMIES CEREBRALES

Publication

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Application

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Abstract (en)

[origin: US7514072B1] The present invention relates to a method for the treatment of cerebral ischaemia and a drug for the treatment of cerebral ischaemia in particular in humans, as occurs for example in the case of stroke patients. It was found surprisingly that peripheral administering of erythropoietin to the cerebral tissue affected by the ischaemia has a distinctly protective effect. Erythropoietin has the effect thereby that the region of the cerebral tissue which is damaged permanently, in particular in the penumbra, is dramatically reduced relative to conventional measures in the case of cerebral ischaemia without erythropoietin administration.

IPC 8 full level

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Citation (opposition)

Opponent :

- S. A. MENZIES ET AL.: "Extravasation of albumin in ischaemic brain oedema", ACTA NEUROCHIRURGICA, vol. SUPPL. 51, 1990, pages 220 - 222
- R. SUZUKI ET AL.: "The effect of 5-minute ischemia in mongolian gerbils: I. Blood-brain barrier, cerebral glucose flow, and local cerebral glucose utilization changes", ACTA NEUROPATHOL., vol. 60, 1983, pages 207 - 216
- E. M. LOBERG ET AL.: "Neuronal uptake of plasma proteins after transient cerebral ischemia/hypoxia", APMIS, vol. 101, 1993, pages 777 - 783

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